3 1341	Date_Page
	ASSIGNMENT A1
Title:	Study Assignment
Problem Statement	Study of Raspberry PI, Arduino and Beagle Bone
Objectives	- To understand and get acquainted with above microcontols To analyze the difference blw them
Outcomes	- To get basic knowledge about IOT and various micro controllers to make it work - To understand history of various micro controllers
	- Fedora OS 20
Requirements	- Raspberry Pl
	- Beagle Bone - Arduino
Theory	Raspberry PI It is a series of small single-board computers developed in the UK by Raspberry Pi Foundation to promote teading basic compsci in the schools.
_	It is widely used in research projects like weather monitoring because of its low cost and portability.
	It does not include peripherals (keyborards and mice) or cases.

31341	
	Date Page
	Page
	Beagle Bone MANAMA
-	It is a low cost open-source development of them for
1	ARM Cortex AB processor developers.
	acreto pers.
_	H ships w/ Debian GNU/Linux in onboard FLASH, w/ a
10000	O second planty fedora and Android also
	supported.
-	Plug in boards / capes can be plugged into two
	46-pin dual-row expansion headers for VGA, LCD,
	motor control, etc.
18 000	Outrome Students will be able to install 05 on Carolin
	Arduino
_	An open-source platform w/ a micro controller and IDE
My hype	to upload code to the circuit board.
Home	Arduino Uno R3 Raypherry PIB Rev AS Beagle Bone
was Process	or Allega 328 April ARM Cortex A8
Clark speed	16 MHZ 700 MHZ 700 MMZ
RAM	2KB 256MB 256MB
Flash	32KB + SD card 4GB uSD
Vin	7-12V is moder 5 v outer has the on 5 V
Pinin	42 mA 700 mA 700 mA
GP10 digital	maigrafy as due 20 to mit 82 se that top and 66
Andog i/p	6=10-bit - balang 900712-bit
IDE	Ardijno IDE IDLE, Scrotch, Squeak Py, Scrotch, Squeak
TW1/12C	2 Atallateri and export 2
SPI	+ Extract NOCES and transfer to formatted to count
UART	2 Plug the SD and land peripherals to large pung po
Aloteni V	Boot and select in as (prefer able Rapping
Conclusion	We studied various SB(s like Raspheny Pi, Arduins
	and Beagle Bone